

Converting Colors

$Y_{xy}(24.2924, 0.3151, 0.1823)$

Have a look what the booklet for
Yxy(24.2924, 0.3151, 0.1823)
contains.

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Color

Yxy(24.2040, 0.3151, 0.1822)

Conversions

Conversions Part 1

Format	Color
Hex	D34ED7
RGB	211, 78, 215
RGB Percent	83%, 31%, 84%
CMY	0.1725, 0.6942, 0.1567
CMYK	0.02, 0.64, 0.00, 0.16
HSL	298°, 63%, 57%
HSV	298°, 64%, 84%
XYZ	41.8588, 24.2040, 66.7802
YIQ	133.3850, 35.2910, 70.8030

Conversions

Conversions Part 2

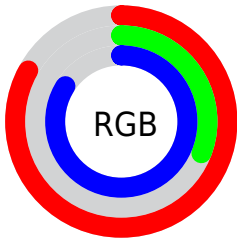
Format	Color
R _Y B	211, 78, 215
Decimal	13848279
CIE Lab	56.29, 68.81, -45.29
CIE LCh	56, 82.374, 326.650
Yxy	24.2040, 0.3151, 0.1822
Android (android.graphics.Color)	4292038359 (0xFFD34ED7)
YUV	133.3850, 40.2362, 68.0684
Hunter-Lab	49.1976, 65.7777, -46.0413

Details

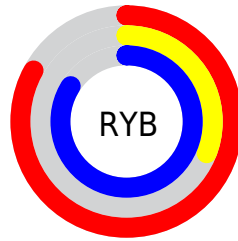
The Yxy color **24.2040, 0.3151, 0.1822** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **50.9643, 0.3050, 0.5329**, and the grayscale version is **23.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0883, 0.3181, 0.2153**, and **9.3104, 0.3101, 0.1482** is the 20% darker color. If you saturate the color by 10%, you get **21.5403, 0.3149, 0.1679**, and if you desaturate by 10%, it is **27.8688, 0.3151, 0.2004**.

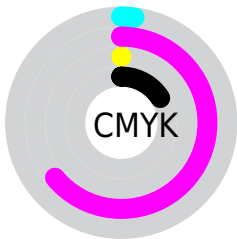
Distribution



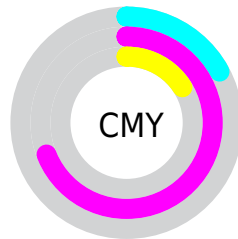
- Red (83%)
- Green (31%)
- Blue (84%)



- Red (83%)
- Yellow (31%)
- Blue (84%)



- Cyan (2%)
- Magenta (64%)
- Yellow (0%)
- Black (16%)





- Cyan (17%)
- Magenta (69%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2040, 0.3151, 0.1822 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.2040, 0.3151, 0.1822 by changing the saturation by 10% instead.


 24.2040, 0.3151,
0.1822


 24.2040, 0.3151,
0.1822


273.8502, 0.3175,
0.2521


 15.4850, 0.3134,
0.1663


 50.3629, 0.3168,
0.2065


 9.1605, 0.3106,
0.1469


 68.5716, 0.3172,
0.2160

 4.8460, 0.3058,
0.1231


 90.7123, 0.3174,
0.2241

 2.1572, 0.2974,
0.0938

 117.1695, 0.3175,
0.2312

 0.6965, 0.2819,
0.0576

 148.3274, 0.3176,
0.2374

 0.0000, 0.2557,
0.0000

184.5706, 0.3176,


 0.0000, 0.1275,


0.2429

0.0000


226.2834, 0.3175,
0.2477

 0.0000, 0.0000,
0.0000


 24.2040, 0.3151,
0.1822

 24.2040, 0.3151,
0.1822


 21.5403, 0.3149,
0.1679


 27.8688, 0.3151,
0.2004


 19.7728, 0.3145,
0.1579

 32.6193, 0.3149,
0.2217


 18.7796, 0.3139,
0.1522


 38.5348, 0.3146,
0.2453

 18.4216, 0.3135,
0.1501


 45.6866, 0.3142,
0.2701

 54.1400, 0.3136,
0.2952

 63.9559, 0.3130,
0.3200

 75.1911, 0.3123,
0.3438

 87.8995, 0.3116,
0.3662

 91.1337, 0.3118,
0.3711

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.2040, 0.1982, 0.1490



24.2040, 0.3151, 0.1822



24.2040, 0.4637, 0.2416

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.2040, 0.3151, 0.1822



24.2040, 0.4883, 0.4907



24.2040, 0.1115, 0.2634

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.2040, 0.3151, 0.1822



50.9643, 0.3050, 0.5329

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.2040, 0.1615, 0.4262



24.2040, 0.3151, 0.1822



24.2040, 0.3772, 0.5795

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.2040, 0.3151, 0.1822



24.2040, 0.5654, 0.3959



24.2040, 0.2598, 0.5778



24.2040, 0.1048, 0.1765

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.2040, 0.3151, 0.1822



24.2040, 0.5422, 0.2898



24.2040, 0.2598, 0.5778



24.2040, 0.1226, 0.3098

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.2051, 0.3151, 0.1822



72.6186, 0.3139, 0.2815



12.6463, 0.1906, 0.1305



14.7978, 0.3141, 0.2743



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.2051, 0.3151, 0.1822



30.7738, 0.3148, 0.1645



22.1368, 0.4032, 0.2455



12.6132, 0.3133, 0.3060



11.0226, 0.3136, 0.1501



0.6708, 0.3150, 0.1509

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.5093, 0.5121, 0.3254



25.0229, 0.5723, 0.3260



52.1902, 0.2729, 0.4406



12.4267, 0.3287, 0.3284



8.6521, 0.6367, 0.3281



0.5240, 0.6260, 0.3222

Previews

White Background



This preview shows how the Yxy color 24.2040, 0.3151, 0.1822 looks on a white background.

Color Contrast Check

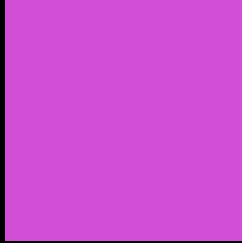
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.2040, 0.3151, 0.1822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

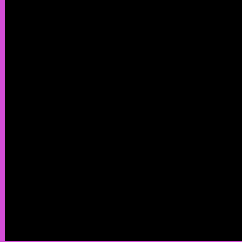
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.2040, 0.3151, 0.1822

Background



This preview shows how black text looks on a background with the Yxy color 24.2040, 0.3151, 0.1822.

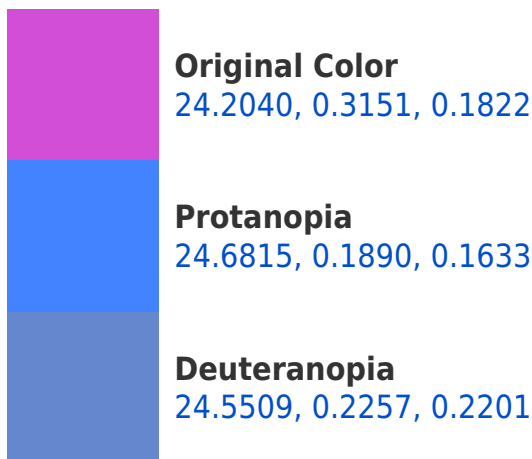


This preview shows how white text looks on a background with the Yxy color 24.2040, 0.3151, 0.1822.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

24.1282, 0.4237, 0.3188

Trichromacy



Original Color

24.2040, 0.3151, 0.1822



Protanomaly

21.8727, 0.2148, 0.1605



Deuteranomaly

22.3008, 0.2502, 0.1957



Tritanomaly

23.5129, 0.3820, 0.2598

Monochromacy



Original Color

24.2040, 0.3151, 0.1822



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.0317, 0.3138, 0.2541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2040, 0.3151, 0.1822 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(211, 78, 215)` looks like.

```
.text, #text, p{  
    color:rgb(211, 78, 215)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(211, 78, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 78, 215) }
```

Border

The CSS property to change the border of an element to Yxy 24.2040, 0.3151, 0.1822 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(211, 78, 215) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(211, 78, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(211, 78, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 78, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 78, 215);  
box-shadow:4px 4px 4px 4px rgb(211, 78,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2040, 0.3151, 0.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 78, 215) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(211, 78,  
215) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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